



VIDEOLARM for Panasonic

Before attempting to connect or operate this product, please read these instructions completely.

PRODUCT INSTRUCTIONS

MODEL: Miniature Camera
PCF3, PCV3

DESCRIPTION: Recessed Wall Housing, Color Camera

STANDARD INSTALLATION PROCEDURE

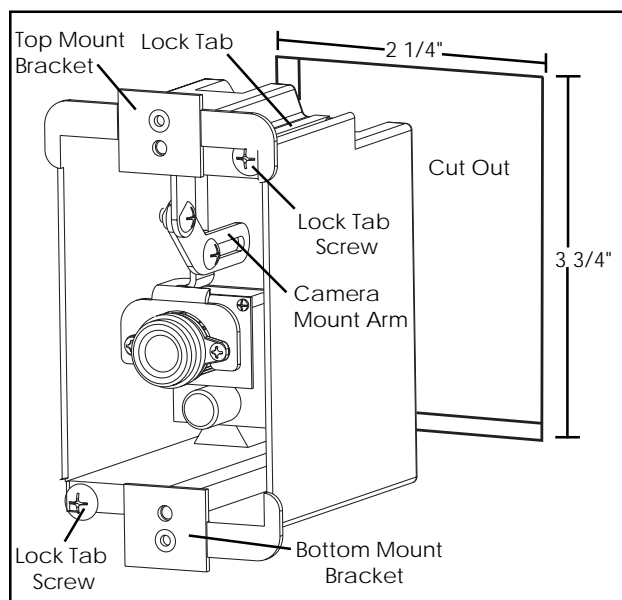
INCLUDES MODELS: PCF3, PCV3

Remove equipment from box, contents include:

CONTENTS INCLUDE:

- (1) Flush Mount Box
- (1) Cover plate with window
- (2) Allen wrench security head tool
- (2) Stainless steel 6-32x1/2" captive Security head screws
- (1) Camera mount bracket
- (1) Camera mount arm
- (1) Bottom mount bracket
- (2) 4-40 x 1/4" screws
- (2) Star washers
- (2) 2-56 x 3/16" Screws
- (1) Camera, lens, and PC Board

1. Locate the area on the wall where the housing will be installed and cut a 2 1/4" x 3 3/4" hole into the wall.
2. Run the necessary wiring/cables to this cutout and pull wiring/cables through opening.
3. Using the security tool, loosen the 2 security head screws on the cover plate and remove it.
4. Feed the wiring/cables through one or more of the cable entry holes in the back of the flush mount box.
5. Install the housing into the cutout in the wall and tighten the Phillips head screws on the front of the box. This will pull the lock tabs forward to secure the box to the wall.

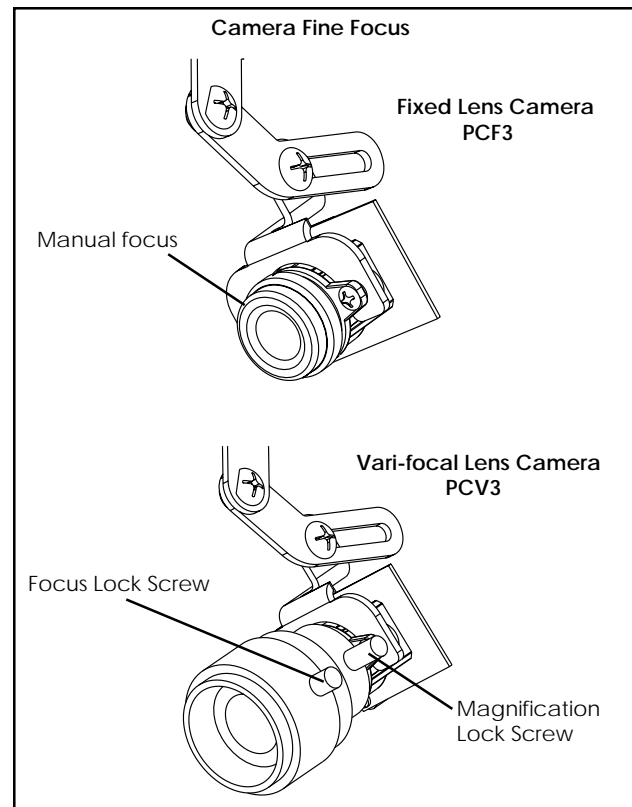


6. Remove the top mount bracket. This will allow you to remove the camera/PC Board assembly from the unit.
7. Once you have removed the camera assembly, make the necessary connections to the PC Board.

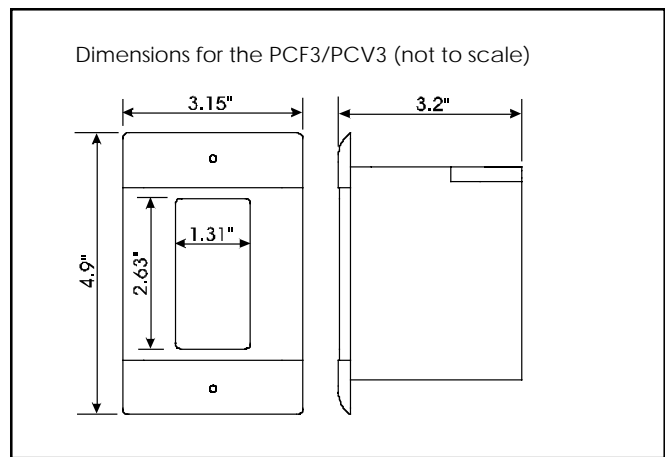
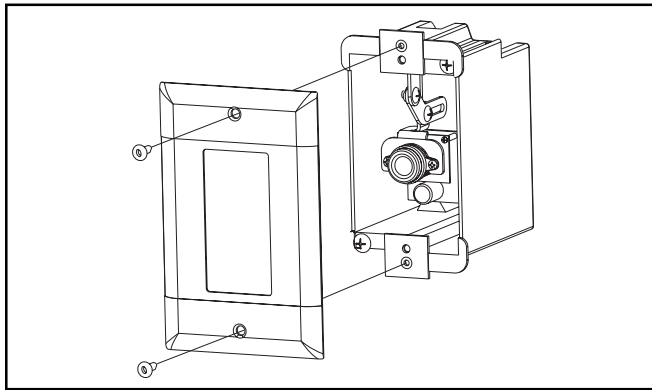


USE CLASS 2 POWER ONLY

5. Hand place the top mount bracket and camera into the unit. Check the angle of the camera, remove the bracket/camera and make any necessary adjustments. Once you have achieved the desired camera angle, reattach the top bracket and camera to the housing. Fine focusing can be achieved by manually rotating the lens.
6. Fine focusing (see diagram below):
Fixed Lens: Manually rotate the lens until a clear picture is achieved.
Vari-Focal Lens: First, adjust the Magnification Lock Screw to the desired magnification (telephoto to wide angle). Tighten the Lock Screw. Next, adjust the Focus Lock Screw until a clear picture is achieved. Tighten the Lock Screw.



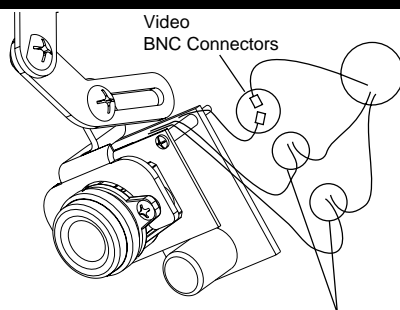
6. Replace the cover on the housing and reattach using the 2 security screws.



Specification

Lens Type	3 - 8mm Fixed Focal Lens Series								4 - 8mm Vari- -Focal Lens Series						
Model Number	PCF1	PCF2	PCF3	PCF4	PCF5	PCF6	PCF6W	PCV1	PCV2	PCV3	PCV4	PCV5	PCV6	PCV6W	
Scanning Area	361 mm (H) x 272 mm (V) (Equivalent to scanning area of 1/4" pick-up tube)														
Scanning	525 lines / 60 fields / 30 frames														
Horizontal	15.734 kHz														
Vertical	59.94 kHz														
Synchronization	Internal Synchronization														
Video Output	1.0 V (p-p) NTSC Composite 75 ohms / BNC Connector														
Horizontal Resolution	330 lines (at center area)														
Signal-to-Noise Ratio	46 dB (with AGC OFF)														
Minimum Illumination	0.5 Footcandle (5 Lux) at F2.0								0.5 Footcandle (5 Lux) at F2.0 - 1.0 Footcandle (10 Lux) at F2.8						
Angular Field of View Horizontal Vertical	Horizontal 53.4° Vertical 40.0°								Horizontal 51.7 - 26.7° Vertical 38.4 - 20.0°						
AGC	On (Preset)														
ELC	On (Preset)														
White Balance	ATW (Preset)														
Ambient Operating Temperature	-10°C - +50°C (14°F - 122°F)														
Ambient Operating Humidity	Less than 90%														
Power Source at AC Source at DC Source	24 VAC, 40 ma 12 VDC, 80 ma														
Dimensions	W	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"
	H	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"
	D	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"
Weight	kg	0.68	0.45	0.45	0.45	1.8	0.68	0.91	0.68	0.45	0.45	0.45	1.8	0.68	0.91
	lbs	1.5	1	1	1	4	1.5	2	1.5	1	1	1	4	1.5	2

Connections



Power Connections
NOTE: Splice wiring according to standard electrical guidelines. Positive and Negative connections are interchangeable with this PC Board.

CAUTION: To prevent fire or shock hazard, the UL-Listed wire VW-1, style 1007, should be used for the cable for 24 VAC input terminals.

Wiring Chart-Cable Distance

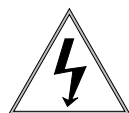
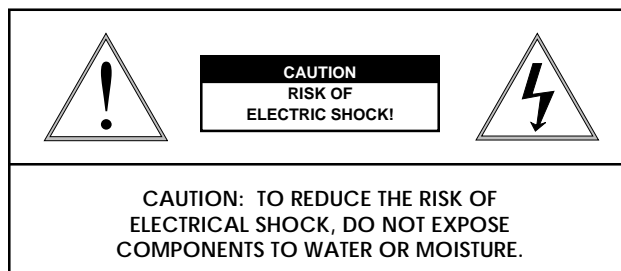
This Chart is based on a 12VDC power supply with the maximum Amp draw at .500 amps.

WIRE	20	18	16
FT.	180'	300'	480'

IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
 - a. The installation should be made by a qualified service person, and should conform to all local codes.
 - b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

SERVICE

For service on Panasonic/Videolarm equipment contact:

Panasonic Technical Center
54 West Gude Dr.
Rockville MD 20850-1150

Phone: 301-762-5125

Fax: 301-251-0347

PANASONIC TECHNICAL SUPPORT

1-800-528-6747

9:00 AM - 5:00 PM EASTERN TIME